

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-356751

(43)Date of publication of application : 26.12.2000

(51)Int.Cl.

G02B 26/08

G02B 6/12

G09F 9/30

(21)Application number : 11-169377

(71)Applicant : CANON INC

(22)Date of filing : 16.06.1999

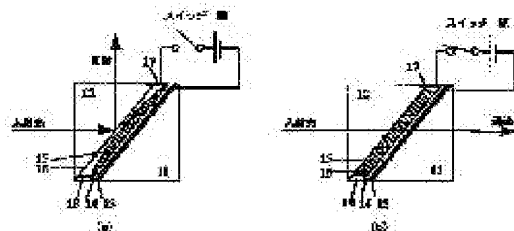
(72)Inventor : KAWANAMI EIRISHI

(54) OPTICAL SWITCH

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an optical switch which can be miniaturized by utilizing an electrowetting phenomenon and which can efficiently switch the optical path of the purpose of constructing an optical switch of a system different from conventional ones.

SOLUTION: The optical switch, which changes the optical path of incident light, is provided with a first and a second supporting bodies and a first liquid 15 and a conductive or polar second liquid 16 hermetically sealed in a space formed between the first and the second supporting bodies and mutually immiscible, and is constructed so that the shape of the boundary between the first and the second liquids 15, 16 is changed to change the optical path of incident light by changing voltage applied to the second liquid 16.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against
examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office